

Claim 1 (Currently Amended): A vehicular safety system comprising a combination of at least one inflator and one or more inflatable restraint gel cushion(s) made from one or more tear resistant gel(s) comprising:

(I) one or more hydrogenated controlled distribution styrene isoprene/butadiene styrene block copolymer(s). And

(II) one or more selected plasticizer(s), said gel(s) having a selected gel rigidity of from about 50 gram Bloom to about 1,200 gram Bloom, said at least one inflator for deployment by pressure of said one or more inflatable restraint gel cushion(s).

Claim 2 (Currently Amended): A vehicular safety system comprising a combination of at least one inflator and ~~according to claim 1, wherein said one or more inflatable restraint gel cushion(s) include one or more gel diaphragm(s) assemblies made from a tear resistant gel composition comprising:~~

(I) one or more hydrogenated controlled distribution styrene isoprene/butadiene styrene or styrene butadiene styrene block copolymer(s), and

(II) one or more selected plasticizer(s);

in combination with or without a selected amount of one or more polymer(s) or copolymer(s) selected from poly(styrene-butadiene-styrene), poly(styrene-butadiene), poly(styrene-isoprene-styrene), poly(styrene-isoprene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene)_n, poly(styrene-ethylene-butylene)_n, polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, polyethylene, and metallocene catalyzed poly(ethylene-styrene), poly(ethylene-octene-1), poly(ethylene acrylic acid), and linear low density polyethylene; wherein said selected copolymer(s) is a linear, radial, branched, star-shaped, or multiarm copolymer; and n is an integer greater than one; said gel(s) having a selected gel rigidity of from about 50 gram Bloom to about 1,200 gram Bloom ~~(i) one or more retainer(s) for said gel diaphragm(s) selected from a external retainer, an internal retainer, a reinforcing retainer, a mechanical retainer, a semi-integral retainer, an integral pin retainer, a partial external integral retainer, an eye retainer, a back partial integral retainer, and an integral reinforcing shaped retainer.~~

Claim 3 (Currently Amended): A vehicular safety system according to claim 1, wherein said comprising one or more inflatable restraint gel cushion(s) comprising of one or more shaped gel diaphragm(s) selected from one or more of a thin gel diaphragm, a thick gel diaphragm, a multiple progressive thin gel diaphragm, and a multiple progressive thick gel diaphragm; said shaped gel diaphragm(s) with or without one or more expansion control element(s) selected from a multiple single layer expansion control element, a single layer expansion control element, a dual single layer expansion control element, a multiple layer expansion control element, a multiple layer diverted element, a full retained gel cup, a partial retained gel cup, a gel cavity, an S-gel shaped, and a bulged gel shape, said shaped gel diaphragm(s) comprising a tear resistant gel composition comprising:

(I) one or more hydrogenated controlled distribution styrene isoprene/butadiene styrene or styrene butadiene styrene block copolymer(s), and

(II) one or more selected plasticizer(s);

in combination with or without a selected amount of one or more polymer(s) or copolymer(s) selected from poly(styrene-butadiene-styrene), poly(styrene-butadiene), poly(styrene-isoprene-styrene), poly(styrene-isoprene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene)_n, poly(styrene-ethylene-butylene)_n, polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, polyethylene, and metallocene catalyzed poly(ethylene-styrene), poly(ethylene-octene-1), poly(ethylene acrylic acid), and linear low density polyethylene; wherein said selected copolymer(s) is a linear, radial, branched, star-shaped, or multiarm copolymer; and n is an integer greater than one; said gel(s) having a selected gel rigidity of from about 50 gram Bloom to about 1,200 gram Bloom.

Claim 4 (Currently Amended): A vehicular safety system according to claim 1, wherein said one or more inflatable restraint gel cushion(s) comprises one or more shaped gel diaphragm(s) with or without one or more expansion control element(s) selected from a multiple single layer expansion control element, a single layer expansion control element, a dual single layer expansion control element, a multiple layer expansion control element, and a gel restrainer, said shaped gel diaphragm(s) made from a tear resistant gel composition comprising:

(I) one or more hydrogenated controlled distribution styrene isoprene/butadiene styrene and styrene butadiene styrene block copolymer(s), and
(II) one or more selected plasticizer(s);
in combination with or without a selected amount of one or more polymer(s) or copolymer(s) selected from poly(styrene-butadiene-styrene), poly(styrene-butadiene), poly(styrene-isoprene-styrene), poly(styrene-isoprene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene)_n, poly(styrene-ethylene-butylene)_n, polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, polyethylene, and metallocene catalyzed poly(ethylene-styrene), poly(ethylene-octene-1), poly(ethylene acrylic acid), and linear low density polyethylene; wherein said selected copolymer(s) is a linear, radial, branched, star-shaped, or multiarm copolymer; and n is an integer greater than one; said gel(s) having a selected gel rigidity of from about 50 gram Bloom to about 1,200 gram Bloom.

Claim 5 (Currently Amended): A vehicular safety system according to claim 1, wherein said one or more inflatable restraint gel cushion(s) comprises one or more shaped gel diaphragm(s) in combination with one or more expansion control elements, said shaped gel diaphragm(s) made from a tear resistant gel composition comprising:

(I) one or more controlled distribution styrene ethylene/butylene styrene block copolymer(s), and

(II) one or more selected plasticizer(s);

in combination with or without a selected amount of one or more polymer(s) or copolymer(s) selected from poly(styrene-butadiene-styrene), poly(styrene-butadiene), poly(styrene-isoprene-styrene), poly(styrene-isoprene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene)_n, poly(styrene-ethylene-butylene)_n, polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, polyethylene, and metallocene catalyzed poly(ethylene-styrene), poly(ethylene-octene-1), poly(ethylene acrylic acid), and linear low density polyethylene; wherein said selected copolymer(s) is a linear, radial, branched, star-shaped, or multiarm copolymer; and n is an integer

greater than one; said gel(s) having a selected gel rigidity of from about 50 gram Bloom to about 1,200 gram Bloom.

Claim 6 (Currently Amended): A vehicular safety system according to claim 1, wherein said one or more inflatable restraint gel cushion(s) comprises two or more gel diaphragm(s) with expansion volumes selected from a dual expansion diameters, a single diameter, an internal and external diameters, a triple diameters, a multiple layered diameters, a triple internal diameters, a triple small and dural large diameters, a equal triple diameters, a dural internal with single external surround diameters, said shaped gel diaphragm(s) made from a tear resistant gel composition comprising:

(I) one or more hydrogenated controlled distribution styrene isoprene/butadiene styrene and styrene butadiene styrene block copolymer(s), and

(II) one or more selected plasticizer(s);

in combination with or without a selected amount of one or more polymer(s) or copolymer(s) selected from poly(styrene-butadiene-styrene), poly(styrene-butadiene), poly(styrene-isoprene-styrene), poly(styrene-isoprene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene)_n, poly(styrene-ethylene-butylene)_n, polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, polyethylene, and metallocene catalyzed poly(ethylene-styrene), poly(ethylene-octene-1), poly(ethylene acrylic acid), and linear low density polyethylene; wherein said selected copolymer(s) is a linear, radial, branched, star-shaped, or multiarm copolymer; and n is an integer greater than one; said gel(s) having a selected gel rigidity of from about 50 gram Bloom to about 1,200 gram Bloom.

Claim 7 (Currently Amended): A vehicular safety system comprising one or more inflatable restraint gel cushion(s) made from a tear resistant gel comprising:

(I) one or more of a hydrogenated styrene block copolymer(s) selected from poly(styrene isoprene/butadiene-styrene), poly(styrene-butadiene-styrene) block copolymer(s), poly(styrene-ethylene-ethylene-propylene-styrene) block copolymer(s), controlled distribution of: poly(styrene-ethylene-butylene-styrene) block copolymer(s), and

(II) selected amounts of one or more plasticizers(s);

in combination with or without a selected amount of one or more selected polymer or copolymer selected from the group consisting of poly(styrene-butadiene-styrene), poly(styrene-butadiene), poly(styrene-isoprene-styrene), poly(styrene-isoprene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene)_n, poly(styrene-ethylene-butylene)_n, ~~poly(ethylene-styrene) interpolymer~~ polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, ~~or~~ polyethylene, and metallocene catalyzed poly(ethylene-styrene), poly(ethylene-octene-1), poly(ethylene acrylic acid), and linear low density polyethylene; wherein said selected copolymer is a linear, radial, branched, star-shaped, or multiarm copolymer; and n is an integer greater than one.

Claim 8 (Currently Amended): A vehicular safety system comprising one or more inflatable restraint gel cushion(s) made from a tear resistant gel composition comprising:

(I) one or more of a hydrogenated styrene block copolymer(s) selected from controlled distribution poly(styrene isoprene/butadiene-styrene), hydrogenated controlled distribution poly(styrene-butylene-styrene) block copolymer(s), poly(styrene-ethylene-ethylene-propylene-styrene) block copolymer(s), and controlled distribution of: poly(styrene-ethylene-butylene-styrene) block copolymer(s);

in combination with or without a selected amount of one or more selected polymer or copolymer selected from the group consisting of poly(styrene-butadiene-styrene), poly(styrene-butadiene), poly(styrene-isoprene-styrene), poly(styrene-isoprene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene)_n, poly(styrene-ethylene-butylene)_n, ~~poly(ethylene-styrene) interpolymer~~ polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, or polyethylene, and metallocene catalyzed poly(ethylene-styrene), poly(ethylene-octene-1), poly(ethylene acrylic acid), and linear low density polyethylene; wherein said selected copolymer is a linear, radial, branched, star-shaped, or multiarm copolymer; and n is an integer greater than one.

Claim 9 (Currently Amended): A vehicular safety system comprising one or more inflatable restraint gel cushion(s) made from a tear resistant gel composition comprising:

(I) one or more of a hydrogenated styrene block copolymer(s) selected from controlled distribution poly(styrene isoprene/butadiene-styrene) block copolymer(s), hydrogenated controlled distribution poly(styrene-butadiene-styrene) block copolymers, poly(styrene-ethylene-ethylene-propylene-styrene) block copolymer(s), and controlled distribution of: poly(styrene-ethylene-butylene-styrene) block copolymer(s), and

(II) selected amount of one or more plasticizer(s);

in combination with or without a selected amount of one or more selected polymer or copolymer selected from the group consisting of poly(styrene-butadiene-styrene), poly(styrene-butadiene), poly(styrene-isoprene-styrene), poly(styrene-isoprene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene)_n, poly(styrene-ethylene-butylene)_n, poly(ethylene-styrene)-interpolymer polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, or polyethylene, and metallocene catalyzed poly(ethylene-styrene), poly(ethylene-octene-1), and linear low density polyethylene; wherein said selected copolymer is a linear, radial, branched, star-shaped, or multiarm copolymer; and n is an integer greater than one.